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Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER L3858-02
INTERNATIONAL APPLICATION NO. PCT/US2004/038915		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) Not Yet Assigned <b>10/580949</b>
INTERNATIONAL FILING DATE 18 November 2004 (18.11.2004)		PRIORITY DATE CLAIMED 01 December 2003 (01.12.2003)
TITLE OF INVENTION <b>GLUCONATE BROTH FOR CEMENT AND CONCRETE ADMIXTURE</b>		
APPLICANT(S) FOR DO/EO/US <b>CHUN, Byong-Wa, JEKNAVORIAN, Ara A. , PORTENEUVE, Charlotte B.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (Combined with Power of Attorney)</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

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U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/580949</b> Not yet assigned		INTERNATIONAL APPLICATION NO. PCT/US2004/038915		ATTORNEY'S DOCKET NUMBER L3858-02	
20. Other items or information: - Copy of Request Under PCT Rule 92bis for Change of Indications as filed May 8, 2006 - Certificate of Express Mailing - Form PCT/IB/306 dated February 27, 2005. - Return Receipt Postcard					
The following fees have been submitted				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200				\$ 200	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500				\$ 100	
<b>TOTAL OF 21, 22 and 23 = 600.00</b>					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$ 0	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 0	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	- 20 =		x \$ 50	\$ 0	
Independent claims	- 3 =		x \$200	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 0	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 0</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>				<b>\$ 600</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 600</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 600</b>	
				Amount to be refunded:	\$
				Amount to be charged	\$

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AP20 Rec'd PCT/PTO 30 MAY 2006

- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 07-1756 in the amount of \$ 600 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-1756. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Craig K. Leon  
Patent Department  
W. R. Grace & Co.-Conn.  
62 Whittemore Avenue  
Cambridge, MA 02140  
Telephone: (617) 498-4584  
Fax: (617) 234-7508



SIGNATURE

Craig K. Leon  
NAME

33,293  
REGISTRATION NUMBER

May 30, 2006  
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Byong-Wa Chun et al.  
Serial No.: Not yet assigned (Based on PCT/US2004/038915)  
Examiner: Not yet assigned  
Group Art Unit: Not yet assigned  
Filed: Herewith (May 30, 2006)  
Title: GLUCONATE BROTH FOR CEMENT AND CONCRETE ADMIXTURE

**CERTIFICATE OF EXPRESS MAILING (37 CFR §1.10)**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service Express Mail® Service on **May 30, 2006** under **Express Mail Mailing Label No. EV801727715US** and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Craig K. Leon

May 30, 2006  
Signature Date

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed herewith are:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Submission Under 35 U.S.C. 371(3 pgs.) x2;
2. Executed Declaration and Power of Attorney (3 pgs.);
3. Copy of Request Under PCT Rule 92bis for Change of Indications as filed May 8, 2006 (1 pg);
4. Form PCT/IB/306 dated February 27, 2005 (1 pg.);
5. Return Receipt Postcard.

18/580949

**THE INTERNATIONAL BUREAU OF WIPO**

AP20 Rec'd PCT/PTO 30 MAY 2006

**International Application No.:** PCT/US2004/038915  
**International Filing Date:** 18 November 2004 (18.11.2004)  
**Applicant:** W.R. Grace & Co.-Conn.  
**Title:** GLUCONATE BROTH FOR CEMENT AND  
CONCRETE ADMIXTURE  
**Attorney Case:** L3858-02

PCT Operation's Division  
The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No. +41 22 338 82 70

**REQUEST UNDER PCT RULE 92bis FOR  
Change of Indications**

Applicant hereby submits changes of indications pursuant to PCT Rule 92bis.

In Box II-5 of the Request Form, please replace as follows:

**OLD:** The Applicant Address is "62 Whittemore Ave, Cambridge, Massachusetts 02140, United States of America"  
**NEW:** The Applicant Address is "7500 Grace Drive, Columbia, Maryland 21044, United States of America"

In Box III-1-5 of the Request Form, please replace as follows:

**OLD:** The inventor's address is "84 Roundwood Road, Newton, MA 02464, United States of America"  
**NEW:** The inventor's address is "84 Roundwood Road, Newton Upper Falls, MA 02464, United States of America"

Respectfully Submitted,



Craig K. Leon (Reg. No. 33,293)  
Attorney for Applicant

Date: May 8, 2006  
62 Whittemore Avenue  
Cambridge, MA 02140-1692  
Telephone: (617) 498-4584

**CERTIFICATE OF FACSIMILE**

I hereby certify that this correspondence is being transmitted to the International Bureau of WIPO, 34, chemin des Colombettes, 1211 Geneva 20, Switzerland, facsimile +41 22 338 82 70, on May 8, 2006.

Name: Craig K. Leon

  
Signature

May 8, 2006  
Sig. Date